STUDY MODULE DESCRIPTION FORM

Name of the module/subject	Code
Distribution logistics	**1011104431011112981**

Field of study	Profile of study (general academic, practical)	Year /Semester
Logistics - Part-time studies - First-cycle	**general academic**	**2 / 3**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**

Cycle of study:	Form of study (full-time,part-time)
First-cycle studies	**part-time**

No. of hours	No. of credits
Lecture: **14** Classes: **-** Laboratory: **-** Project/seminars: **16**	**4**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
other	**university-wide**

Education areas and fields of science and art	ECTS distribution (number and %)
technical sciences	**4 100%**

Responsible for subject / lecturer:

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Faculty of Engineering Management
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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Student knows the basics of logistics.
2	**Skills**	Student can use basic logistic measures.
3	**Social competencies**	Student wants to cooperate in a group.

Assumptions and objectives of the course:

The aim of the course is to introduce students with the organization of distribution systems - their diversity, structure and functioning.

Students will learn a number of useful concepts and tools used most often in the field of distribution logistics.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Student knows the basic dependencies within the framework of the distribution and supply chain logistics eg tasks and distribution functions - [K1A_W14]
2. Student can explain basic concepts for distribution logistics and supply chain eg forms and distribution channels - [K1A_W15]
3. Student is able to recognize the basic phenomena characteristic for logistics distribution and supply chain eg Forrester effect - [K1A_W16]
4. Student can explain in detail the characteristic concepts for distribution and supply chain logistics eg types and functions of intermediaries in distribution channels - [K1A_W17]
5. Student is able to formulate the basic dependencies within distribution and supply chain logistics eg the steps of designing the distribution system - [K1A_W18]
6. Student is able to identify modern trends in logistics distribution and supply chains eg mulichannel, crosschannel, omnichannel - [K1A_W19]
7. Student is able to characterize the best practices in logistics distribution and supply chain eg sustainability development requirements - [K1A_W20]

Skills:

1. Student can search on the literature of the subject and other sources and in an orderly way present information about the problem of designing the distribution system - [K1A_U01]
2. Student can present the designed distribution system with the help of properly selected means - [K1A_U02]
3. Student is able to prepare and present an oral presentation on specific issues related to the organization of the distribution system - [K1A_U04]
4. Student is able to develop his own project of the distribution system - [K1A_U05]
5. Student can formulate using the analytical methods, the simulation task of designing the distribution system - [K1A_U09]
6. Student is able to assess in economic terms the chosen distribution system - [K1A_U12]
7. Student can perform critical analysis of the projected or existing distribution system - [K1A_U13]
8. Student can design using appropriate methods and techniques of distribution system - [K1A_U16]

Social competencies:

1. Student is aware of the need for lifelong learning in distribution logistics - [K1A_K01]
2. Student is willing to cooperate and work in the group within the framework of the developed project of the distribution system - [K1A_K03]
3. Student can properly identify and solve dilemmas connected with the performance of the profession of logistics working in the field of distribution - [K1A_K05]
4. Student knows typical engineering technologies in the field of distribution logistics eg center of gravity method, distribution requirements planning method, centralization and decentralization of stocks - [KInzA_W05]

Assessment methods of study outcomes

Formative assessment:

a) project: on the basis of an assessment of the current progress of tasks,

b) lectures: based on answers to questions about the material discussed in the previous classes.

Summary assessment:

a) project: on the basis of the project and its final defense,

b) lectures: final written answer to the questions asked.

Course description

The subject matter covers the following issues: essence, tasks and functions of distribution logistics; distribution channel theory; forms of distribution; types and functions of intermediaries in distribution channels; shaping of assortment in the point of view of distribution logistics. Students are also familiar with selected issues important for distribution logistics: center of gravity method, centralization and decentralization of stocks, distribution reqirement planning, analysis of distribution center functioning.

Didactic methods:

a) project: classic problematic method, case study method,

b) lectures: information lecture, conversatory lecture, problem lecture.

Basic bibliography:

1. Czubała A., (2001), Dystrybucja produktów, Polskie Wydawnictwo Ekonomiczne, Warszawa
2. Bendkowski J., Pietrucha-Pacut M., (2003), Podstawy logistyki w dystrybucji, Wydawnictwo Politechniki Śląskiej, Gliwice
3. Cyplik P., Hadaś Ł., Fertsch M., (2011), Zarządzanie dystrybucją, Wydawnictwo Politechniki Poznanskiej, Poznań
4. Domański R., Hadaś Ł., (2017), Kształtowanie systemu logistycznej obsługi klieneta w warunakach realizacji strategii omnichannel, Gospodarka Materiałowa i Logistyka 07/2017

Additional bibliography:

1. Śliwczyński B., Koliński A., (2014), Organizacja i monitorowanie procesów dystrybucji, Instytut Logistyki i Magazynowania, Poznań
2. Cyplik P., Głowacka D., Fertsch M., (2008), Logistyka przedsiębiorstw dystrybucyjnych, Wyższa Szkoła Logistyki, Poznań
3. Rutkowski K. (red.), (2001), Logistyka dystrybucji, Wydawnictwo Difin, Warszawa

Result of average student's workload

Activity	Time (working hours)
1. Preparing for the exam	20
2. Project realisation (own work)	30
3. Lecture	14
4. Project	16
5. Project consultation	20

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	100	4
Contact hours	50	3
Practical activities	16	1